

Table 7a: "Before" Travel Time Studies-North 70th Street ("O" Street-Havelock Avenue)

"BEFORE"	AM Peak 7:00 AM – 8:30 AM		Midday 11:00 AM – 1:00 PM		PM Peak 4:00 PM – 6:00 PM	
Date of Study Day 1: Day 2:	Wed., 1/26/00 Thur., 1/27/00		Wed., 1/26/00 Thur., 1/27/00		Wed., 1/26/00 Thur., 1/27/00	
Travel Time Statistic	NB¹	SB	NB²	SB ²	NB¹	SB
Average Travel Time (sec)	404.8	437.6	374.3	402.2	382.1	458.2
Standard Deviation (sec)	28.1	58.5	37.0	50.3	19.5	39.0
Average Number of Stops	3.8	3.6	2.4	2.6	2.1	3.5
Average Speed (mph)	26.5	24.6	28.7	26.7	28.1	23.5
Standard Deviation (mph)	1.9	3.8	3.2	3.2	1.6	1.9
95% Confidence Interval (mph)	1.6	3.2	2.3	2.3	1.2	1.4
Average Speeds Within This Range (mph) ³ Lower Limit: Upper Limit:	24.9 28.1	21.4 27.8	26.4 31.0	24.4 29.0	26.9 29.3	22.1 24.9
Time Duration Below: 0 mph 7 mph 28 mph	40.4 58.0 146.3	71.6 90.3 174.7	21.2 37.3 110.1	40.4 58.4 133.1	20.3 32.9 124.2	81.5 103.2 201.8
Average Delay (sec)	98.0	130.1	67.6	94.9	75.4	150.6
Number of Runs	8	8	10	10	9	10
Length (feet)	15,749	15,784	15,744	15,773	15,743	15,789

¹Bolded direction indicates the direction of traffic which is favored by signal timings.

²Neither direction is significantly favored by existing signal timings.

³Limits of the range of average speed calculated based on the 95% confidence interval.

Note: Posted Speed Limit: "O" Street – Havelock Avenue = 35 mph
Ideal Travel Time = 307.1 seconds (5 minutes 7.1 seconds)